

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P791700

Luminaire Tested: LER6D30D010-EC6DR6520359040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D30D010-EC6DR6520359040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5566.1 lumens
Efficiency: N/A
Efficacy: 191.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

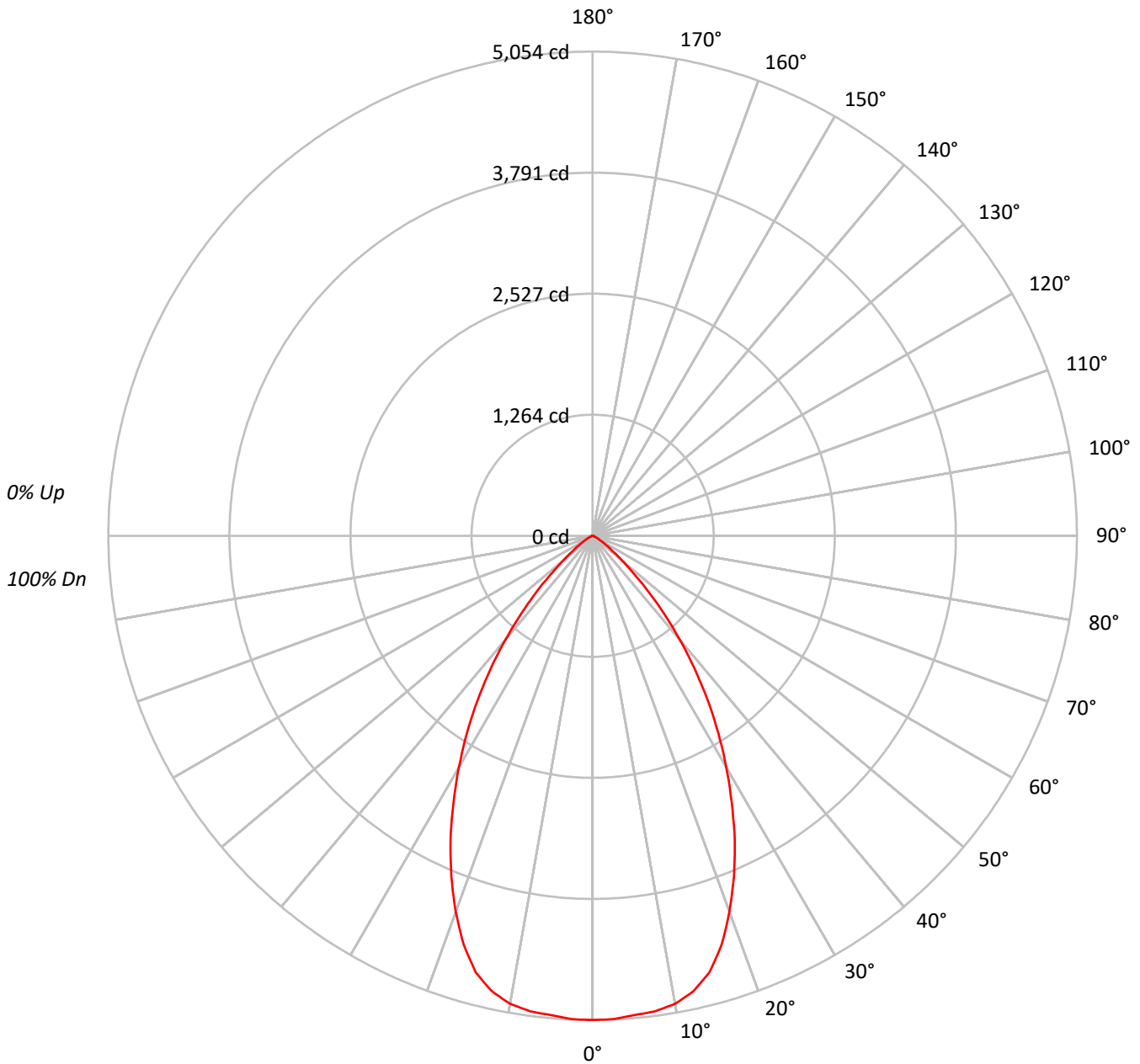
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	295161
5°	294419
10°	294170
15°	285100
20°	259547
25°	226177
30°	188114
35°	149056
40°	107583
45°	67968
50°	35426
55°	18827
60°	9894
65°	5445
70°	2288
75°	2505
80°	1749
85°	1474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 67968 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.9	8.6
10°-20°	1308.8	23.5
20°-30°	1599.7	28.7
30°-40°	1298.0	23.3
40°-50°	646.8	11.6
50°-60°	180.4	3.2
60°-70°	41.0	0.7
70°-80°	10.7	0.2
80°-90°	2.7	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3386.4	60.8
0°-40°	4684.4	84.2
0°-60°	5511.7	99.0
0°-90°	5566.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5566.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5054	
5°	5022	478
15°	4715	1309
25°	3510	1600
35°	2091	1298
45°	823	647
55°	185	180
65°	39	41
75°	11	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5053.8
2.5°	5050.1
5°	5021.9
7.5°	5005.6
10°	4960.3
12.5°	4868.2
15°	4715.2
17.5°	4476.0
20°	4176.0
22.5°	3852.2
25°	3509.8
27.5°	3143.7
30°	2789.4
32.5°	2439.7
35°	2090.6
37.5°	1742.3
40°	1411.1
42.5°	1100.6
45°	822.9
47.5°	573.3
50°	389.9
52.5°	268.8
55°	184.9
57.5°	124.8
60°	84.7
62.5°	58.7
65°	39.4
67.5°	20.1
70°	13.4
72.5°	12.6
75°	11.1
77.5°	7.4
80°	5.2
82.5°	3.7
85°	2.2
87.5°	1.5
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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